ABSTRACT OF THE DISCLOSURE

Within a method of making an optical interference filter,
sample spectra and measurements of a predetermined
characteristic associated with respective spectra are provided.
Upon selection of an initial number of filter layers and a
thickness for each layer, a transmission spectrum is determined.
Each sample spectrum is applied to a regression formula that
relates interaction of light with the transmission spectrum to a
regression value. A comparison relationship between the
calculated regression values and the sample measurements is
defined and optimized, wherein thickness of each layer is an
optimization variable.